

SCOPE OF CLAIMS

1. An optical measurement device which includes to optically measure a measurement object substance within a measurement region of a subject, to display an image representing measurement amount or its variation of the measurement object substance within the measurement region on a screen in an image display window, to designate any position within the measurement region, and to display the measurement amount, its variation of the measurement object substance at the designated position, time dependency information either of them or information of the designated position on the screen in another window.

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2. An optical measurement device characterized in that, the optical measurement device comprises a measurement portion in which a measurement object substance within a measurement region of a subject is optically measured, a first display portion which displays an image based on signals from the measurement object substance or the measurement portion, a light receiver which is arranged on the subject in the measurement portion and detects light from the subject, a designator which designates a position of the light receiver, a pointer which is displayed on the first display portion in response to

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the position designated by the designator, and a second display portion within the first display portion including a window in which the measurement amount, the measurement amount variation or time information of the measurement object substance for the position is displayed through designation and clicking of the pointer.

3. An optical measurement device according to claim 2,
10 characterized in that as a display of the second display portion a moving picture is displayed.

4. An optical measurement device which optically measures a measurement object substance within a
15 measurement region of a subject, characterized in that the optical measurement device determines a measurement amount of the measurement object substance at a measurement position according to a detection value detected at a detection portion of a light
20 illuminated from an illumination position within the measurement region, displays on a first image screen a map shaped image formed by connecting points (positions) having equal measurement amount or measurement amount variation by making use of the
25 measured amount, designates any position on the image and displays on a second image screen the measurement amount or the measurement amount variation of the

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measurement object substance at the position designated.

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cont.
5. An optical measurement device according to claim 4, characterized in that there are a plurality of illumination positions, a light having a plurality of wavelengths is illuminated on the respective illumination positions, from one detection position a light component including signal components of corresponding number of wavelengths at the concerned illumination positions, a reference signal is provided for each of the light components and the measurement amount is determined after separating light components each having respective wavelengths.
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6. An optical measurement device according to claim 4, characterized in that the first image screen and the second image screen are constituted by a single display screen.
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7. An optical measurement device according to claim 4, characterized in that the first and the second image screen are constituted as separate display screens.
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8. An optical measurement device according to claim 4, characterized in that lines passing through the designated position in horizontal and vertical

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